

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,157,167 B1  
APPLICATION NO. : 10/683603  
DATED : January 2, 2007  
INVENTOR(S) : Nazim Z. Muradov

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 1, line 5 insert

-- STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT

This subject invention was made with government support under the US Department of Energy,  
federal contract number DEFC3699G010456. The government has certain rights in this invention. --

Signed and Sealed this  
First Day of March, 2011

A handwritten signature in black ink, reading "David J. Kappos". The signature is written in a cursive, flowing style with a large initial "D".

David J. Kappos  
*Director of the United States Patent and Trademark Office*